

Methods and Instruments of Oceanological Research,<sup>55</sup>  
by V. A. Shirey, 13 pp  
USSR, per, Academy of Sciences of the USSR, Works  
of the Institute of Oceanology, Vol 55, pp 3-22  
P500251667  
Dept of Navy ONI tr 483-a

V. A. Shirey

Sci/BBIO  
Oct 67

341746

Change in Soil Microflora Under the Influence  
of Electro-osmosis, by B. I. Shirikov, 3 pp.

RUSSIAN, per, Mikrobiol, Vol. XXVII, No 2, 1958,  
pp 192-195.

Amer Inst of Biol Sci

Sci - Biology

Jan 59

80,077

The Effect of Penicillin on Certain Defense Functions of the Body. Communication II.  
The Effect of Penicillin on the Blood Proteins and on the Allergic Reaction in Experimental Animals, by A. I. Shirinskaya, 4 pp.

RUSSIAN, per, Antibiotiki, Vol IV, No 1,  
1959, pp 56-58.

CB  
164, 427

Sci

Aug 61

ON THE Solution of the Plane Contact  
Problem in Creep Theory in the Presence  
of Frictional Forces, by T. Shirinkulov.  
RUSSIAN, per, Izv Ak. Nauk Uzbekskoi SSR,  
Seriya Tekhnicheskikh Nauk, No 5, 1963,  
pp 35-45.  
NLL RTG 3119

98

T. Shirinkulov

Sci-Librar  
June 66

302,268

Ferromagnetic Resonance in Iron Silicide Crystals  
and Its Relationship to Domain Structure, by Ye. S.  
Shur, O. I. Shiriayeva, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, No 6(12),  
1960, pp 1596-1600.

Internl Physical Index  
Physics Express  
Vol III, No 9

Sci - Phys

158, 788

Jul 61

The Pulse Method of Fixed Distances; its Physical Basis and Practical Application, by N. I. Koskin, V. F. Nozdrayev, V. D. Sobolev, M. G. Shirkevich, V. F. Yakovlev, 6 pp.

RUSSIAN, qu per, Akust Zmnir, Vol II, No 2, Apr-Jun 1956, pp 161-166.

American Inst of Physics  
Vol II, No 2,  
Soviet Physics, Acoustics

Sci - Physics  
Jun 57

48,497

Reverse Dispersion Relations, by V. Blank and  
D. Shirkov, 8 pp.

RUSSIAN, per, Znur Emper 1 Teoret Pis, no 7/17  
Further Reference.

Joint check for Russian Report  
E 18/ FO 0 X 75 66  
SLA R-2370  
ABC Tr 3026

Sci - Phys

72,026

Aug 58

Certain Resonance Solutions of Low Energy  
Pion-Pion Scattering Equations, by V. V.  
Serebryakov, D. V. Shirkov, 8 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz,  
Vol XLII, No 2, 1962, pp 610-621.

AIP  
Sov Phys - JETP  
Vol XV, No 2

211,676

Sci  
Sep 62

The Method of Dispersion Relations and  
Perturbation Theory, by N. N. Bogolyubov,  
A. A. Logunov, D. V. Shirkov, 8 pp.

RUSSIAN, par, Zhur Eksp i Teoret Fiz,  
Vol XXXVII, No 3(9), 1959, pp 805-815.

Amor Inst of Phys  
Sov Phys-JETP  
Vol XXXVII(10), No 3

Sci

113, 973

Apr 60

On Taking the Coulomb Effects into Account in the  
Theory of Superconductivity, by D. V. Shirkov, 5 pp.

RUSSIAN, per, Zhur Ekspres i Teoret Fiz, Vol XXXVII(10),  
No 1, 1960, pp 179-186.  
No 1(7) 1959

Amer Inst of Phys  
Rev Phys - JETP

Sci

Feb 60

108,047

Pion-Nucleon Scattering at Low Energies. II.,  
by A. V. Efremov, V. A. Meshcheryakov, D. V.  
Shirkov. 5 pp.

RUSSIAN, per, Zhur Ekspер i Teoret Fiz, Vol XXXIX,  
No 4 (10), 1960, pp 1099-1105.

AMP  
Sov Phys - JETP  
Vol XII, No 4

Sci

155, 675

Jun 61

An Asymptotic Investigation of the Vertex Part in  
Quantum Electrodynamics, by V. Z. Blank, D. V.  
Shirkov, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXI,  
No 6, Nov-Dec 1956, pp 1201-

AMER Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 6

53,394

Sci - Physics  
Oct 57

On the Compensation Equation in Superconductivity  
Theory, by D. V. Shirkov, 4 pp.

RUSSIAN, per, Zhur. Eksp. i Teoret. Fiz.,  
vol. XXXVI(9), No 2, 1959, pp 607-612.

10

Amer Inst of Phys  
Sov Phys - JETP

Sci - Phys

Sept 59

97,187

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R00021

On the Renormalization Group in Quantum Electrodynamics, by N. N. Bogolyubov, D. V. Shirkov,  
9 pp.

RUSSIAN, three-mo per, Dok Ak Nauk SSSR,  
Vol CIII, 1955, pp 203-206.

ABC Tr 2639

Sci - Physics  
Jan 57 GTS

42, 201

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R00021

T/C and bk review

Introduction to the Theory of Quantum Fields, by D. V. Shirkov, 31 pp.

RUSSIAN, bk, Vvedeniye - Theoriyu Kvantovannykh Polej, 1957, 442 pp.

Head, Lib Sv Sec  
Air Info Div, Lib Cong

Aug 58

On Thirring's Two-Dimensional Model, by M. E.  
Mayer, D. V. Shirkov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,  
No 1, 1958, pp 45-.

Amer Inst of Phys  
Sov Phys - Doklady  
Vol III, No 5

Sci - Phys  
Jul 59

91,799

The Multiplicative Renormalization Group in the  
Quantum Theory of Fields, by N. N. Bogoliubov,  
D. V. Shirkov, 8 pp.

RUSSIAN, no per, Zhur Eksp i Teoret Fiz,  
Vol XXX, No 1, Jan 1956, pp 77-85.

Amer Inst of Physics  
Vol III, No 1  
Soviet Physics, JETP

Sci - Physics  
Apr 57 CMS

46, 574

The Pion-pion Scattering at Low Energy, by  
A. V. Efremov, D. V. Shirkov, N. V. Tsu, 25 pp.

RUSSIAN, Jun 1961.

Scientia Sinica  
Vol X, No 7  
Nov 1961

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R00021

Application of the Method of Perturbation Theory,  
Improvement of Formulas in Perturbation Theory,  
by N. N. Bogolyubov, D. V. Shirkov,

RUSSIAN, por, Dok Ak Nauk SSSR, Vol CIII, 1955,  
pp 352-354.

ABC Tr 2508

460,179

Sci - Physics

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R00021

Differentiation of Duration of Action of a Conditioned Stimulus, by G. I. Shirkova, 9 pp.

RUSSIAN, bk, Trudy Instituta Vysshei Nervnoi Deyatel'nosti Ser Fiziologicheskaya, Vol IV, 1958.

OTS 61-31019  
PL-480

Sci -  
Nov 62  
PST 540

215,317

Time as a Component of a Conditioned Stimulus, by  
G. I. Shirkova, 16 pp.

RUSSIAN, bk, Trudy Instituta Vysshei Nervnoi  
Deyatel'nosti Ser Fiziol, Vol IV, 1958.

OTS 61-31019  
PL-480

Sci -  
Nov 62  
PST 540

215,316

Conditioned Motor Reflexes of White Rats to  
Complex (Chain) Stimuli, by G. I. Shirkova, 24 pp.

<sup>Vn</sup>  
RUSSIAN, per, Trudy Inst Vyschey Nervnye Deyatel'  
Ser Fizich, Vol I, 1955, pp 78-95.

008 60-21857  
PL-480

Sci - Med  
Feb 61  
PST No. 69

139,814

The Problem of Testing the Conditioned Reflexes  
of Animals Twice Daily, by G. I. Shinkova,  
14 pp.

<sup>Vn of</sup>  
RUSSIAN, per, Trudy Inst Vyschey Nervny Payatel'  
Ser Psichol, Vol I, 1955, no 159-166.

QMS 60-21857  
JL-480

Sci - Med  
Feb 61  
REF No. 69

139, 819

Conditioned Motor Chain Reflexes in Monkeys, by  
G. I. Shirkova, G. L. Verevkina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIII,  
No 3, 1960, pp 730-733.

AIDS

Sci

Apr 61

149,220

The Reflex to "Time" in the Artificial Electrodefensive Reactions of Dogs, by G. I. Shirkova, 6 pp.

RUSSIAN, per Byul Eksp Biol i Med, Vol XLV,  
No 4, 1958, pp 24-29

Consultants Bureau

Sci + Med

Nov 58

76,906

Switching of Conditioned Reflexes in Monkeys, by  
G. I. Shirkova, 10 p.

RUSSIAN, per, Fiziolog Zhur SSSR imeni I. M.  
Sechenova, Vol XLV, No 5, 1959, pp 518-526.

PP

Sci  
Jan 60

106,048

Stresses Effective in Earthquake Foci in the  
Caucasus and Adjacent Districts, by K. I. Shirokova,  
7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 10,  
1962, pp 1297-1306.

A(2)

Sci

Feb 63

234,040

10 599

US-14

V. P. SHIROKOVSKI

Electron states in crystals

Fiz. Metallov i Metalloved. (USSR), 6, No. 1, 3-14 (1958)

ATS- 22M39R, \$ 15.95 - English

E u r a t o m  
ATS-22M39R

The Natural Gases of the USSR, by A. S. Smirnov,  
A. I. Shirkovskiy, 11 pp. UNCLASSIFIED

RUSSIAN, BM, Dobycha i Transport Gazu, Moscow, 1957,  
pp 7-9, 133-134, 217-218, 470-472, (Tables 1, 2, 52, 90,  
Fig 179), Enc1 to IR-1676-58, AFCIS-1A1.

AF 1187111

USSR  
Econ - Transportation, production  
Oct 58  
Sci - Gas Fuels

74 068

Delays in Building the Kirovabad Aluminum Plant,  
by Enver Shirmamedov, 4 pp.

RUSSIAN, mp, Bakinskiy Rabochiy, 12 Sep 1962, p 1.

JPRS 16528

USSR  
Econ  
Dec 62

Anomalous Reflection Coefficient Values,  
by M. Shirmamedov, 5 pp.

RUSSIAN, per, Geomagnetizm, i Aeronomiya,  
Vol III, No 5, 1963, pp 922-928.

AGU

Sci=  
Aug 64

264,517

Characteristic of Radio Wave Absorption during  
Vertical Sounding of the Ionosphere Over *126*  
Ashkhabad, by M. Shirmamedov, 15 pp.  
RUSSIA, per, Nazhdvadomstvennyy Geofizicheskiy  
Komitet, V Randal Programmy NGS (Ionosfera)  
Specnizk Statyst, AN SSSR, No 13, 1964, pp 89-96.  
P10006467  
FTD TT 65-3040

*M. Shirmamedov*

Sci-Navigation  
Mar 67

320,722

Fundamentals of the Theory of Detection  
of Radar Signals and Measurement of  
Their Parameters, by Ya. D. Shirman,  
V. N. Golikov, 284 pp.  
RUSSIAN, bk. Osnovy Teorii Obnaruzheniya  
Radiolokatsionnykh Signalov i Izmereniya  
Ikh Parametrov, 1963, 278 pp.  
FD-17 00-256

88

Ya. D. Shirman

Sci-Navigation  
May 67

324,975

New Conveyor for Watch Assembly, by Ya. G.  
Grinshtein, V. S. Davidovich, A. M. Shirman,  
3 pp.

Taylor & Francis Ltd

Sei

Dec 62

177, PP3

Statistical Analysis of Optimal Resolution, by  
Ya. D. Shirman, 8 pp.

Russian, per, Radiotekh i Elektron, No 8, 1961

AIRE

191, 853

Sci  
Mar 62

Fundamentals of the Theory of a Helical Delay Line,  
by Ya. D. Shikman, Z. A. Vainoris, 13 pp.

RUSSIAN, per, Radiotekhnika i Elektron, Vol. IX, No 9,  
1959, pp 1485-1492.

PP

Sci

134,884

Dec 60

A System of Anisotropic-Conducting Planes as the  
Simplest Model of a Distributed-Parameter Delay Line,  
by Ya. D. Shitran, V. A. Vainoris, 13 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol IV, No 8,  
1959, pp 1363-1376.

PP

135, 351

Sci. "   
Jan 61.

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0002I

Principles in the Theory of Detection of Radar Signals  
and Measurements of Their Parameters,  
by Ya. D. Shirman, V. N. Golikov.  
RUSIAN, 14, Sovetskoye Radio, Moscow, 1963, pp 1-277.  
\*FTD-MT-65-87

Sci - Elec  
Apr 65

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0002I

Directed Valences. Communication 1 Direction and  
Maximum Values of Hybrid Functions for Coordination  
Numbers 2, 3, and 4, by M. G. Shirman, M. E.  
Dyatkina, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9,  
1959, pp 1553-1561.

CB

Sci ~  
May 61

152, 792

An Investigation in the Field of Directed Valences.  
Part 2. Directions and Maximum Values of Hybrid Functions  
For Coordination Numbers 5, 6, 7, 8, and 9, by M. G.  
Shimmean, M. E. Dyatkin,

RUSSIAN, per, Iz Akad Nauk SSSR, Otdel Khim Nauk, No 10,  
1959, pp 1751-1759.

ATS RJ-2165  
ATS 221 376

Sci - Chem

May 60

115, 443

✓  
Hybrid Orbitals for Coordination Numbers 7 and 9,  
by M. G. Shirmazan, M. H. Diyatkina, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol. LXXXVII, No 1, 1951, pp 75-76.

Sci Trans Center  
RT-3741

36,264

Scientific - Mathematics

Jul 56 CTB/dec

New Hybridization for Coordination Number 9  
and the Structure of Tricyclopentadienyl  
Uranium, by M. G. Shirmazan, M. E. Dyarkina.

RUSSIAN, per, Zhur Neorg Khim, Vol II, 1957,  
pp 1761-1762. C I H 9070081

Consultants Customs Tr

cer-296B

\$10.50

Sci - Chem

Mar 59

83,459

Directed Valences for Coordination Numbers 6 and 8,  
by M. G. Shirman, M. E. Dyatkina, 3 pp.

RUSSIAN, three-wo per, Dok Ak Nauk SSSR, Vol LXXXII,  
No 5, 1952, pp 755, 756.

36,083  
Sci Tr Center  
MF-3740

Scientific - Mathematics

Jun 56/Dec

Directed Valences With Shared f-Electrons, by M. G.  
Shirmazan, M. E. Dyatkina, 4 pp. UNCLASSIFIED

RUSSIAN, par, Zhur Fiz Khim, Vol XXVII, 1953,  
pp 491-494.

AEC Tr 1956

Scientific - Physics

18, 687

The Activities and Status of the Council for Economic Mutual  
Assistance, by V. Shkinner, 6 pp.

RUSSIAN, no. Xher Gazzet, No 45, 9 Nov 1963.

SPRS 20710

USER  
Econ  
Jan 64

246, 989

The Totori Group Along the Asuwa River in  
Fukui Prefecture, by Shiro Maeda, 6 pp.

JAPANESE, per, Journal of Geography, Vol LXX,  
No 2 (721), 1961, pp 15-26.

ACSI I-0253-B  
ID 2180085

ASIA  
Geog  
20 Mar 62

188, 493

Names of the Animals in the Palau Island Group,  
(parts 2-3), by Teizo Ezaki, Shiro Murakami.

JAPANESE, per, Kagaku Manyo, Vol II, No 1,  
Jun 1939, pp 9-15; Vol III, No 2, Sep 1960,  
pp 5-11.

Dept of Interior  
209(900) qUn33pr 250357  
No 337, 338

Sci - Biol  
Feb 63

222,474

Some of the Basic Problems of the Noise 67  
Trauma, by Shiro Nakamura.  
JAPANESE, bk, 1964, pp 1-71.  
ACSI J-6262  
FSTC-HT-23-869-68

*Shiro Nakamura*

Sci-BGM  
May 69

380,907

Melting Point of Oxalic acid Glycol, by Shiro  
Tsuruta, Yasuo Suzuki, 2 pp.

JAPANESE, per, Nihon Kagaku Zasshi, Vol LXIX,  
No 4/6, 1946, pp 56-57.

SIA 60-14012

Sci  
Sep 61

169, 116

Experiments on the Atomization of Liquids in an  
Air Stream, by Shiro Nukiyama, (Tanayawa Yasushi)

JAPANESE, Rpts 1 - 6. Society of Mechanical Engineers,  
Vol IV, V, VI, 1938 - 1940.

S.I.A. Tr Pool

Scientific - Engineering  
CTS/DMX

14,271

76

The Adhesion Characteristic in Locomotives and  
Some Relevant Factors, by S. Shiro.  
JAPANISH, per. David Cultural Institute, Vol. 80, No  
5, 1960, pp 606-614.  
E.I.I. 3774.5 (1442)

Sci-Index  
Rev 67

S. Shiro

345.211

Mercury Method to Produce Caustic Alkali by  
Electrolysis, by Shinzo Oiada, Shiro Yoshizawa,  
3 p.

JAPANESE, patent, 180004, pub. 24 Apr 48,  
pat. date 23 Aug 49, appl. 23 Aug 43, (Receipt  
no. 23-7386) 25 July 46 (pub. No 24-1314).

SLA 59-17876

Sci  
Mar 60  
Vol 2, No 11

109,556

Buddhists of the Socialistic New China, by  
Shiroh Jaltso, 13 pp.

CHINESE, per, Hsien-tai Po-hsueh, 30 Oct 1959.

Union Research Service  
110 Waterloo Road  
Kowloon, Hong Kong  
Vol XVII, No 26

PE - China  
Soc - Religion  
Jan 60

106, 719

61-22953

Shirobokov, M.  
ON THE THEORY OF THE MECHANISM OF MAG-  
NETIZATION OF FERROMAGNETS. [1961] 29p.  
16 refs.  
Order from MDP \$11.00

MDP S-184

Trans. of Zhurnal Eksp[erimental'noi] Teor[eticheskoi] Fiz[iki] (USSR) 1945, v. 15, no. 1/2, p. 57-76.

DESCRIPTORS: \*Ferromagnetic materials, Magnetic moments, Magnetic properties, Magnets

I. Shirobokov, M.  
II. MDP S-184  
III. Friedman, Morris D., Inc.,  
West Newton, Mass.

(Physics--Magnetism, TT, v. 6, no. 4)

Office of Technical Services

The Dynamical Theory of Electron Scattering in Crystals, by I. A. Ovsiannikova, M. Ya. Shirobokov, 3 pp.

RUSSLAN, bimo per, Zhur Eksper i Teoret Fiz, Vol XXVIII, Jun 1955, pp 695-698. CIA C 40837

American Inst of Physics  
57 East 55 St.  
New York 22, N. Y.

Scientific - Physics 31420

On the Theory of the Mechanism of Magnetization of Ferromagnets, by M. Shirobokov, 29 pp.

RUSSIAN, per, Zhur EMEK Eksper Teoret Fiz,  
Vol XV, No 1/2, 1945, pp 57-76.

MDF 8-184  
9093154

173, 335

Sci  
Nov 61

On the Thermodynamic & Theory of Piezoelectric Phenomena in Barium ~~X~~ Titanate Type Crystals,  
by M. Ya. Shirobokov, L. P. Kholodenko, 21 pp.

Full translation.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, 1951,  
pp 1239-1249.

*CIA/FDD/X-1283*

~~Bell Telephone Laboratory Tel 599-1111 (W)~~

Scientific - Physics Aug 53 CTS/DEX

4081

The Command Post and the Pilot, by  
N. M. Shirobokov, V. A. Kuznetsov,  
A. M. Popov, 27 pp.

RUSSIAN, per, Vest Voz Flota, No 10, 1960,  
9662146, pp 1-27.

ATIC

USSR  
Mil  
Jun 61

157, 2

On Steady-State Modes in Automatic Control Systems,  
by B. V. Shirokorad, 6 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XXI, No 4,  
1960, pp 456-464.

18A

Sci

Feb 61

139,518

Functional Changes in the Spine of Frogs Upon  
Stimulation of the Optical Thalamus with Sodium and  
Magnesium Salts, by V. F. Shirokiy, 6 pp.

RUSSIAN, per, Fiziol Zhur SSSR imeni I. M. Sechenova,  
Vol XLVII, No 5, 1961.

Elsevier Pub Co

Sci

213,98

Oct 62

The Almost-Periodic Regime of a Four-Dimensional Automatic Control System,  
by B. V. Shirokorad, 17 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel  
Tekh Nauk Energ i Avtomat, No 5, 1960,  
pp 159-165. 9671160

PTD MCL-1254/1

Sci - Engr

171,554

20 Oct 61

Concerning the Existence of a Cycle Beyond the  
Absolute Stability Conditions of a Three Dimensional  
System, by B. V. Shirokord, 15 p.

RUSSIAN, per, Avtomat i Telemekh, Vol XIX, No 10,  
1958, pp 953-967.

Instru Soc of Amer

Sci

Apr 60

111,815

BS Prog 18

(DC-3426).

On the Results of the Work of the Scientific-  
Technical Geophysical Conference, by A. S.  
Shirokov, 13 pp.

RUSSIAN, per, Razvedka i Okhrana Medr, No 12, 1959,  
pp 54-59.

JPRS 3087

Sci - Geophys  
Mar 60

111, 201

How we Prevented the Spreading of the Foot-and-Mouth Disease, by N. V. Serov, A. V. Shirokov.

RUSSIAN, per, Veterinariya, Vol XL, No 3, 1963,  
p. 26. 9212614

USDA Tr V-1846

Sci - Biol & Med Sci

240, 063

Problem of the Utilization of Electroosmosis of Soil  
in Plowing, by B. I. Shirokov.

RUSSIAN, per, Zhur Tekh Fis, Vol XXIV, No 8, 1954,  
pp 1474-1482. CIA 9016918

USDA

Sci - Geophysics  
Mar 58

60, 253

Practical Course in Storage and Processing of  
Fruit and Vegetables, by E. P. Shirokov.  
RUSSIAN, Mr. Praktikum po skhranivaniu i pererabotke  
platov i zeleniny, 1964.  
CP3511 77 67-51215

56-

E. P. Shirokov

See/Agmt  
May 68

256,780

Combined Automatic Regulation of Open-Hearth  
Furnace Heating Conditions, by V. N. Timofeyev,  
G. I. Shirokov, M. M. Gordon, B. G. Gutner,  
G. A. Petrov, I. I. Mikhailov, 8 pp.

RUSSIAN, per, Stal, No 12, 1959, pp 1071-1077.

The Iron and Steel Institute

119, 255

Sci-Tech

Jun 60

Testing Plans Developed by the D. I. Mendeleyev  
All-Union Scientific Research Institute of Metrology,  
by K. P. Shirokov, 8 pp.

RUSSIAN, per, Izmeritel Nekh, No 7, 1960, pp 12-15.

ISA

Sci -  
Apr 61

146,447

Application of the Quadrant Electrometer to the  
Testing of Wattmeters on High Frequency Alternating  
Current, by K. P. Shirokov, 18 pp. UNCLASSIFIED

RUSSIAN, per, Trudy Vses Nauchno-Issled Inst Metrologii  
1956, Vol XXVIII, pp 5-19.

Sci Mus Lib  
Tr 57/4193

Sci - Eng, instrument 61-27259  
Apr 58

62,283

Forecasting Yields of Jones Herring Years  
Classes, by L. V. Shirokow. 6 pp.  
BESSIAK, per, Trudy AtlanTICO, No 13, 1964,  
pp 42-43.  
Dept of Interior  
Bureau of Commercial Fisheries  
Office of Foreign Fisheries  
A-38-Oct 1969-No 54  
On Loan

36

*L. V. Shirokow*

Sci-JAM  
Dec 69

398,525

On the Theory of Striae in Gaseous Discharge, by  
M. F. Shirokov,

Full translation.

RUSSIAH, thrice-mo per, Dok Ak Nauk SSSR, Vol  
LXXXIX, No 5, 1953, p 837.

25 MR 124 (2nd) M. 76  
REF 128 RT-542 8343

Scientific - Physics

CTB/DEX

On the Theory of Stationary Striations in the  
Positive Column of a Gas Discharge, by O. V.  
Prudkovskaya, M. F. Shirokov, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXII,  
No 6, 1957, pp 1023-1026.

Amer Inst of Phys  
Sov Phys, "Doklady"  
Vol II, No 1

56, 961

Sci - Physics  
Dec 57

Oscillations in Electron-Ion Plasmas, by M. F.  
Shirokov, O. V. Prudkovskaya.

In: Vysshikh Ucheb Zabedani, Fiz i  
RUSSIAN, per, Scientific Reports of Higher Schools,  
Physical and Mathematical Sciences, No 2, 1958,  
p 192. Matemat, No 2, 1958, p 192.

Revy 2266/T-161

Sci - II Electronics, Physics  
Aug 59

93,797

Shirokov, M. F.  
VISCOSEY OF FLUIDS AND TRANSFER OF  
MOMENTUM BY WAVES. [1963] [14p] 5refs  
Order from OTS, SLA or ETC \$1.60 TT-63-20815

Trans. of mono. [Soveshchanie Vyazkosti i Zhdkostei i  
Kolloidnykh Rastvorov (Conference on Viscosity of  
Liquids and Colloidal Solutions) May 41. [Proceedings]  
v. 2 Moscow/Leningrad] 1944, p. 35-42.

DESCRIPTORS: \*Liquids, \*Viscosity, Theory,  
\*Mechanical waves, \*Wave transmission, \*Thermal  
conductivity.

For abstract see Chemical Abstracts 41: 1516, 1947.

(Mechanics--Hydrodynamics, TT, v. 11, no. 3)

TT-63-20815

- I. Title: Superfluidity
- I. Shirokov, M. F.
- II. Title: Conference...

..57938

Office of Technical Services

Isotropic Space With Discrete Gravitational-Field  
~~Spike~~ Sources. On the Theory of a Nonhomogeneous  
Isotropic Universe, by M. F. Shirokov, I. Z. Fisher,  
7 pp.

RUSSIAN, per, Astron Zhur, Vol XXXIX, No 5, 1962,  
pp ~~66-67~~, 899-910.

Amer Inst of Phys  
Sov Astron - AJ  
Vol VI, No 45

254,142

Sci  
Apr 64

Theory of the Cone Immersion Method for Determination of the Yield Values of Disperse Systems,  
by N. N. Agranat, N. P. Shirokov, 6 pp.

RUSSIAN, per, Colloid Chem., Vol XIX, No 1, 1957,  
pp 9-13.

Consultants Bureau

Sci - Chem

Jan 59

79,394

On Oscillations of Electron-Ion Plasmas, by M. I.  
Shirokov, O. V. Prudkovskaya, 11 pp.

RUSSIAN, per, Nauch Dok Vyshei Shkoly, Fiz-Mat  
Nauki, No 2, 1958, pp 192-199.

AEC TG-230-T161

171, 232

Sci  
Oct 61  
List 59

On the Equations of Motion of Finite Masses in the  
General Theory of Relativity, by M. Y. Shirokov,  
V. N. B. Brodovskiy, 6 pp.

RUSSIAN, no per, Zbir Eksp i Teoret Fiz, Vol  
XXXI, No 6, Dec 1956, pp 1027-

Amer Inst of Phys  
Sov Phys, JNTP  
Vol IV, No 6

51, 908

Sci - Physics  
Aug 57

Interaction Between Gravitational-Capillary and  
Magnetohydrodynamic Waves, by M. F. Shirokov, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIII,  
No 1, 1957, pp 67-71.

Amer Inst of Phys  
Sov Phys-JETP  
Vol VI, No 1

Sci - Physics  
May 58

62,774

Velocity and Temperature Discontinuities Near the  
Walls of a Body Around Which Rarefied Gases Flow With  
Transonic Velocities, by M. F. Shirokov, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIV,  
No 6, 1958, pp 1490-1495.

Azer Inst of Phys  
Sov Phys - JETP  
Vol VII (34), No 6

Sci - Phys  
Jan 59

78,731

Estimates of the Effective Interaction Radius of  
Particles, by M. I. Shirokov, 4 pp

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLII,  
No 1, 1962, pp 173-177.

AIP  
Sov Phys-JETP  
Vol XV, # No 1

Sci

Jul 62

214,688

Space and Charge Parities of a Proton-Antiproton System and its Multi-Pion Annihilation, by M. I. Shirokov, 5 pp.

RUSSIAN, per Zhur Eksper i Teoret Fiz, Vol XLI,  
No 1, 1961, pp 190-196.

AIP  
Sov Phys - JETP  
Vol XIV, No 1

Sci

188, 147

Mar 62

A Relativistic General Theory of Reactions,  
by M. I. Shirokov, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz,  
Vol XXXIX, No 3 (9), 1960, pp 633-638.

AIP  
Soviet Phys - JETP  
Vol XII, No 3

Sci

155,138

May 61

The Spatial and Charge Parities and Two-Meson Annihilation of the Proton-Antiproton System, by M. I. Shirokov, E. O. Okonov, 5 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIX, No 2(8), 1960, pp 285-292.

AIP  
Sov Phys-JETP  
Vol XII, No 2

146,403

Sci -  
Apr 61